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ABSTRACT

The NASA Science Files is a series of instructional programs consisting of broadcast, print, and online elements. Emphasizing standards-based instruction, problem-based learning, and science as inquiry, the series seeks to motivate students in grades 3-5 to become critical thinkers and active problem solvers. Each program supports the national mathematics, science, and technology standards and includes a 60-minute video broadcast, a companion educator's guide, web-based activities and materials, and information about NASA programs, projects, facilities, and researchers. Through this videotape, students learn about microbe growth, bacteria, viruses, and quarantine. Concepts addressed in this episode include measurement, data analysis and probability; problem solving in mathematics; science and inquiry; life, earth, and space science; science and technology; basic operations and concepts; social, ethical, and human issues; technology productivity, communication, and research tools; and technology problem-solving and decision-making tools. (KHR)

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